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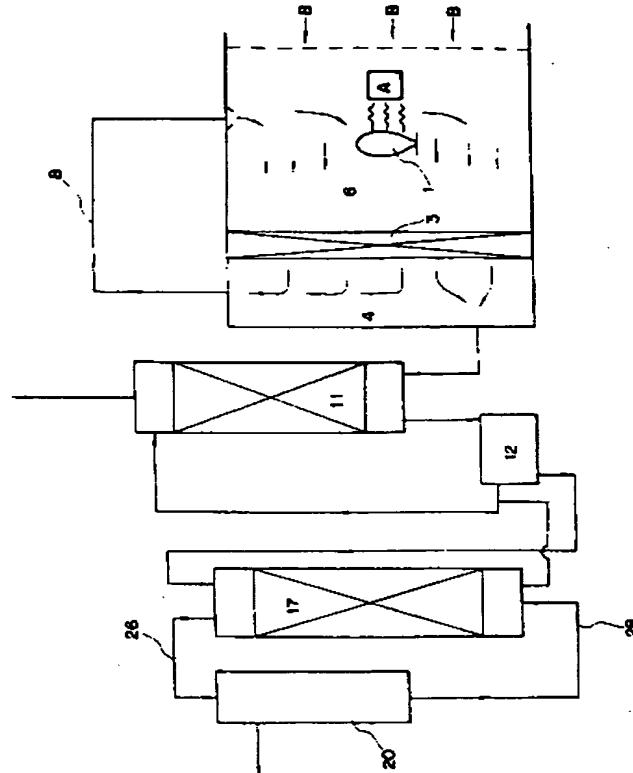
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TITLE : TREATMENT OF WASTE GAS
 GENERATED IN PAINTING WORK AND
 DEVICE FOR SAID METHOD



ABSTRACT : PURPOSE: To recover easily the volatile component of the paint solvent in the gas past the paint particle capturing member by capturing said volatile component by a monoetherified material of a copolymer of polyethylene glycol and polypropylene glycol or the like.

CONSTITUTION: The paint particles in the waste gas of paint generated from the painting device A in a painting chamber 6 are captured by a paint particle capturing member 3. Part of the gas past said member is returned to the original place and the rest is transferred to a gas-liquid contact device 11. The gas transferred into the device 11 is brought into gas-liquid contact with a 3-45% aq. soln. of the monoetherified material or monoesterified material of a copolymer of polyethylene glycol and polypropylene glycol to remove volatile components, whereafter the gas is discharged to the outside of the system. The above-described aq. soln. of the volatile component and an org. liquid material which does not incorporate with said soln. are brought into liquid-liquid contact with each other to migrate the volatile components to the latter. The remaining aq. soln. is recirculated to the device 11. The volatile component migrated to the above-described org. liquid material is recovered by a device 20 for recovering the volatile component of the paint solvent.

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